

## **ABSTRACT OF THE DISCLOSURE**

A method of acquiring 3D color information and a 3D color information acquisition apparatus, suitable for obtaining a 3D model of an object, use a pattern light source to acquire topography data for the object. More than 3 basic colors are used to construct the pattern to 5 increase resolution with great number of color combination. According to the color composition and combination, color distortion caused by model projection can be prevented, thereby increasing the reliability and broadening the application of the color acquisition device and method.